

1

ATTORNEY DOCKET NO. 14114.0331U2

## SEQUENCE LISTING

&lt;110&gt; The Government of the United States of America ...

&lt;120&gt; Isolation of a Human Retrovirus

&lt;130&gt; 03063-0672WP

&lt;140&gt;

&lt;141&gt;

&lt;150&gt; PCT/US00/16433

&lt;151&gt; 2000-06-14

&lt;160&gt; 7

&lt;170&gt; PatentIn Ver. 2.0

&lt;210&gt; 1

&lt;211&gt; 613

&lt;212&gt; DNA

&lt;213&gt; Foamy retrovirus

&lt;400&gt; 1

caatagatgg	agtatttcct	gttacaacac	cagatctaag	gtgcagaatt	attaatgcta	60
tactaggagg	aaacttaggg	ttatcattaa	ccccagcaga	ctgtgtaaca	tgggactctg	120
cagtaggcac	actatttgta	agaacccatg	gacaatttcc	aatgcatcag	cttgggactg	180
taatacaagg	aatagttaac	caagaaggag	tggcaacagc	atatactttg	ggaatgatgc	240
tttctggaca	aaattatcca	ttagtctcag	gaattattcg	gggatatttg	cctggacaag	300
ctgtagtaac	tgctttacaa	cagcgcctag	atcaagaagt	agacgatcaa	gcgcgagcag	360
aaacctttat	tcaacatcta	aatgctgtat	atgaaatttt	aggccttaat	gccagaggac	420
agagtatacg	tgcttcagtg	actcctcagc	cccgaccgtc	tagaggtaga	ggtcgaggcc	480
aaagtactcc	tagaccctct	caaggaccag	ctagtagcgg	acgtggacga	cagcgtcctg	540
cttctgggtca	atacgacaga	ggatctaata	atcaaaatca	aaatcaagga	aataacaagtc	600
aaggaggata	ttaa					613

&lt;210&gt; 2

&lt;211&gt; 616

&lt;212&gt; DNA

&lt;213&gt; Foamy retrovirus

&lt;400&gt; 2

cagcaataga	tggagtattt	cctgtttacaa	caccagatct	aagggtgcaga	attattaatg	60
ctatactagg	aggaaactta	gggttatcat	taaccccagc	agactgtgta	acatgggact	120
ctgcagtagg	cacactattt	gtaagaaccc	atggacaatt	tccaatgcat	cagcttggga	180
ctgtaataca	aggaatagtt	aaccaagaag	gagtggcaac	agcatatact	ttggggaatga	240
tgctttctgg	acaaaattat	ccattagtct	caggaattat	tcggggatat	ttgcctggac	300
aagctgtagt	aactgcttta	caacagcgcc	tagatcaaga	agtagacgat	caagcgcgag	360
cagaaacctt	tattcaacat	ctaaatgctg	tatatgaaat	tttaggcctt	aatgccagag	420
gacagagtat	acgtgcttca	gtgactcctc	agccccgacc	gtctagaggt	agaggtcgag	480
gccaaagtac	tcctagaccc	tctcaaggac	cagctagtag	cggacgtgga	cgacagcgctc	540
ctgcttctgg	tcaatacgac	agaggatcta	ataatcaaaa	tcaaaatcaa	ggaaatacaa	600
gtcaaggagg	atataa					616

<210> 3  
 <211> 425  
 <212> DNA  
 <213> Foamy retrovirus

<400> 3  
 aattattaca ggggtcaaaat gtaaaaggat atcctaaaca atatacatac tttttagaag 60  
 atggc aaaagt tttcc agacctgaag ggggttaaagt tattccccca caatcagacc 120  
 gacaaaaaat agtgcttcaa gcccataatt tagccacac cggacgtgaa gccactcttt 180  
 taaaaattgc caacctttac tgggtggccaa atatgaggaa ggatgtgggt aaacaactag 240  
 gacgttgcca gcagtgttta atcacaaatg cttccaacaa agcctctgggt cccatattaa 300  
 gaccagatag gcctcaaaaag ccttttgata aattttttat tgattatatt ggacctttgc 360  
 caccttcaca aggatatctt tatgtattag ttgttggtga tggaatgaca ggatttacat 420  
 ggta 425

<210> 4  
 <211> 425  
 <212> DNA  
 <213> Foamy retrovirus

<400> 4  
 aattattaca ggggtcaaaat gtaaaaggat atcctaaaca atatacatac tttttagaag 60  
 atggc aaaagt tttcc agacctgaag ggggttaaagt tattccccca caatcagacc 120  
 gacaaaaaat agtgcttcaa gcccataatt tagccacac cggacgtgaa gccactcttt 180  
 taaaaattgc caacctttac tgggtggccaa atatgaggaa ggatgtgggt aaacaactag 240  
 gacgttgcca gcagtgttta atcacaaatg cttccaacaa agcctctgggt cccatattaa 300  
 gaccagatag gcctcaaaaag ccttttgata aattttttat tgattatatt ggacctttgc 360  
 caccttcaca aggatatctt tatgtattag ttgttggtga tggaatgaca ggatttacat 420  
 ggta 425

<210> 5  
 <211> 240  
 <212> DNA  
 <213> Foamy retrovirus

<400> 5  
 ttatgtttta aagtaatcta tgaaggagct atgagtcaaa aacaagaaca aaagagctgg 60  
 ctatgtagat taggacatgg ccacgcgatg ggggcttatg aatatcgag aatagattta 120  
 tatgctatga aaaagggaaa agaaaacccc tatggagaaa ggggagatgt agctttgcaa 180  
 tatgcttatac aggttaaaaag aggctgtaaa gcaggatgct tagcttcaca agtgcttaac 240

<210> 6  
 <211> 240  
 <212> DNA  
 <213> Foamy retrovirus

<400> 6  
 ttatgtttta aagtaatcta tgaaggagcc atgggtcaaa aacaagagca aaaaagctgg 60  
 ctatgcaggc taggacatgg ccaccgtatg ggtgcttatg actatcgag agtagattta 120  
 tatgctatga aaaagggaaa agaaaacccc tatggagaaa ggggagatgt agctttgcaa 180  
 tatgcttatac aggttaaaaag aggctgcaaa gcaggatgct tagcttcacc agtgcttaat 240

<210> 7  
 <211> 3576  
 <212> DNA  
 <213> Foamy retrovirus

&lt;400&gt; 7

tatttacatc	ttgaagactg	cagaagacaa	gattatgtca	tatgtgatgt	ggtaaagata	60
gtacagcctt	gtggcaatag	ctcagacacg	agtgactgtc	ctgtctgggc	tgaggctgta	120
aaagaacccat	ttgtgcaagt	gaatcctctg	aaaaacggaa	gttatctggt	tttagcaagc	180
tccactgact	gccagatccc	accatatgtt	cctagcattg	tgactgttaa	cgaacaaca	240
tcgtgttatg	gactggactt	taaaaggcca	ctagttgcgg	aagaaagatt	gagctttgag	300
ccacgactgc	caaactctaca	gctcagatta	ccacatttgg	taggaattat	tgcaaaaatt	360
aaagggataa	aaatagaagt	tacatcctct	ggagaaagta	taaaagacca	gattgaaaga	420
gcaaaaagctg	agcttcttctg	tctggacatc	cacgaaggag	atactcctgc	ctggatacaa	480
caactcgctg	cagcaacaag	agccgttttg	ccagcagccg	cctctgctct	acaaggaatt	540
gggaactttc	tatctggggc	tgcccaagga	atatttggaa	ctgcctttag	tattttggga	600
tattttaaagc	ctatcctcat	aggtgtgggg	gtcattcttt	tgatcattct	tatatttaag	660
attgtatcat	ggattcctac	caagaagaag	aatcagtagc	ctccacctct	ggcattcaga	720
acctgcagac	tcttagtgag	cttgttggtc	ctgaaaatgc	tggagaggga	gagctagtta	780
ttgctgaaga	acctgaagaa	aatcctcggc	gtcctaaaag	atacactaaa	agagaagtta	840
aatgtgtatc	ctaccatgcc	tatagagaac	ttgaggaaaa	acatcctcaa	cacatcaagc	900
tccaagactg	gattcccaca	cctgaagaaa	tgagtaagtc	actttgtaca	agactaatct	960
tatgtggact	atatagtgca	gagaaggcag	gggaaatatt	acggatgcct	tttacagtat	1020
cttggaaca	atcagacact	gactctaaat	gttttattgt	gagttacaca	tgtatattct	1080
gtgatgctat	aatacatgac	cctatgcccc	taatgtggga	tctgagggtc	aagatatggg	1140
taaaatataa	acccctcaga	ggaattgttg	gatctgctgt	gtttatcatg	cataaacatc	1200
aaagaaactg	ttcttttgtt	aaaccttcta	ctagttactc	agaagggtcca	aaaccaagac	1260
ctaggcacga	tctgtcctt	cgatgtgaca	tgtttgaaaa	gcatcacaa	cctcgggaga	1320
aacgacccag	gaaacgatcc	atcgataatg	agtcagtgtc	ttccagtagt	gacaccttgg	1380
ccaatgagcc	aggatcacta	tgcaccaacc	ctctttggaa	tcttggtatc	ctactacaag	1440
gagtgcctga	agaatccagc	aacttttcaa	acttgggaag	tcacatgtca	ggtggaccct	1500
tctgggaaga	ggtttatggg	gactcaattt	tgggtccccc	ctctgggtca	ggtgaacatt	1560
cagttttata	aaaattacca	aatttttaact	tgctgtcagg	ctgtagatcc	atttgctaatt	1620
atctttcatg	gtactgatga	tgaaatgtat	gatattgatt	caggacctga	tgtttgggtg	1680
acccttctt	tatgttttaa	agtaatctat	gagggagcta	ttgggtcaaaa	acaagaacaa	1740
aagagctggc	tatgtagatt	aggacatggc	catcgcatgg	gggcttatga	atatcgcaga	1800
atagatttat	atgctatgaa	aaagggaaaa	gaaaaccctt	atggagaaag	gggagatgta	1860
gctttgcaat	atgcttatca	ggttaaaaga	ggctgtaaag	caggatgctt	agcttcacaa	1920
gtgcttaact	tcaaagctct	gcagttccac	agaaccctta	tggctgacct	caccaatcct	1980
agattggaga	gggacatcct	gcctcatggc	tatcaggcag	ctatggaagc	ttatggacct	2040
cagagaggaa	gtagcgagga	gaggggtgtg	tggaaatgcca	ctagaaatca	aggaagagat	2100
ggggagtatt	acagagaagg	aggtgaagag	cctcattatc	cgaatactcc	agccctcat	2160
aaaaagacct	gggatgaaag	acataaggct	cttaagttgt	cctcattcgc	tactcctct	2220
gacatccaac	gctgggctac	cagagcactg	ccatatggct	ggaaagtagt	tactgaggca	2280
gggatgact	atactagccg	cagaaaaatc	agaacgctga	cagatatgac	tcaggatgaa	2340
attagacaaa	gatgggaaag	gggatactgt	gaccttttca	ttgactcagg	aagtgactca	2400
gatggacccc	tgtaaaagcc	acaagcagta	aaagtgtgtt	aacactttag	acagtattat	2460
atttgcttaa	gcattaaaag	ctttcatata	ctcagtagct	gtttcacaa	caacaaaaca	2520
atgatgatgt	aatcataagg	aagtagttta	aaatagggtta	agtaagttta	ctgcagtaga	2580
taatccctgg	ggaggatctg	gctctgtaag	ctggaacagc	aatgttttca	gttccagtcc	2640
tctcaaagga	gaaccacagg	gatgatgcgt	tagttcgaat	cccattatcc	tcatggttcc	2700
cttttccaca	ttttataatg	taagtttttag	ggataagttt	tatatgagct	ttactaatcc	2760
ttgaaggaa	aatagctctt	caggtaaaaga	ggccagttatt	aaaagagcta	cccttccctt	2820
ttatataagg	atcgaaacct	gctttacgtt	ttgctttaat	gaagctaagt	tttaagtttt	2880
aacaggaaat	gctcttaggc	agaaggtagc	tccctcgact	gggtgacaag	aagaaacccat	2940
tcaggaagt	cttcccttctg	ctcggggaga	tacatgagta	tacagtagtt	cgagtcctgt	3000
gtgctgatgt	tgtcttctcg	gctcttttgt	gacatcacaa	atgtaacct	gaggtagtct	3060
tttaagaggt	ttttacctca	ggaaggagtg	tggctaatac	tggtaaggca	cctaactatc	3120
agtacattta	agtccattcc	tcccatgtt	ctcaggggtg	gtgcggcgta	agatcgaatc	3180
cccacacacc	cgggaacttg	cttattgcat	aacgttttta	ttagtcatat	agaaaataat	3240
ataggataag	agataggaat	taaagcatga	ggtgtgtggc	tcaacacgta	gagtgcacag	3300
gaactctact	gtaataggac	acaacacctc	taaagtgtgc	cgtgggaagg	tgaagtgcaga	3360

